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PATENT & TRADEMARK OFFICE



PATENT
ATTORNEY DOCKET NO.: JHU1750-1

GP 1636
#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Shambloott, et al. Art Unit: 1636
Application No.: 09/767,421 Examiner: To be assigned
Filed: January 22, 2001
Title: HUMAN EMBRYOID BODY-DERIVED CELLS

Commissioner for Patents
Washington, D.C. 20231

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TRANSMITTAL SHEET

Transmitted herewith for the above-identified application please find:

1. Information Disclosure Statement (2 pages);
2. Form PTO-1449 (1 page);
3. European Search Report Mailed October 12, 2001;
4. Four (4) References;
5. Return postcard.

Date of Deposit December 13, 2001
I hereby certify that this paper is being deposited with the United States Postal Service "First Class Mail Post Office to Addressee" service under 37 CFR 1.08 on the date indicated above and is addressed to, Commissioner of Patents and Trademarks; Washington, DC 20231.

Jason Berry Jason Berry


In re Application of:
Shamblott, et al.
Application No.: 09/767,421
Filed: January 22, 2001
Page 2

PATENT
Attorney Docket No.: JHU1750-1

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement as the items of information contained in this statement were cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated October 12, 2001, which is not more than three months prior to the filing of this statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. 50-1355.

Respectfully submitted,

Date: 12/13/01



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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97(e)(1), enclosed are references relating to the above-identified application. Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and copies are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

Date of Deposit December 13, 2001

I hereby certify that this paper is being deposited with the United States Postal Service "FIRST CLASS MAIL Post Office to Addressee" service under 37 CFR 1.08 on the date indicated above and is addressed to, Commissioner of Patents and Trademarks; Washington, DC 20231.

Jason Berry Jason Berry

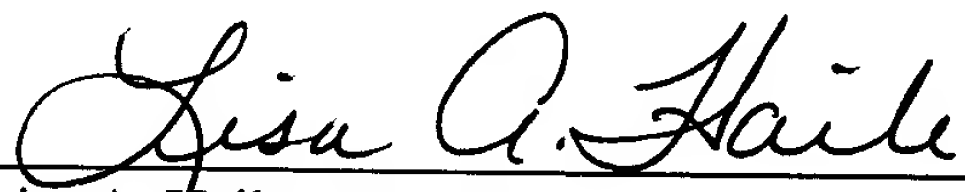
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Page 2

PATENT
Attorney Docket No.: JHU1750-1

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement as the items of information contained in this statement were cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated November 5, 2001, which is not more than three months prior to the filing of this statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. 50-1355.

Respectfully submitted,

Date: 12/13/01



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| FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office | | Docket No. (Optional) THU1750-1 | Serial No.: 09/767,421 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Applicant(s): Shamblott, et al. | |
| | | Filing Date: January 22, 2001 | Group Art Unit: 1636 |

U.S. PATENT DOCUMENTS

| EXAM. INITIALS | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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FOREIGN PATENT DOCUMENTS

| EXAM. INITIALS | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION (YES/NO) |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

| | |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AA | Koshimizu, Uichi et al., "Functional Requirement of gp130-Mediated Signaling for Growth and Survival of Mouse Primordial Germ Cells in vitro and Derivation of Embryonic Germ (EG) Cells," <i>Development</i> , Vol. 122, pgs. 1235-1242, 1996. |
| AB | Olie, RA et al., "Heterogeneity in the <i>in vitro</i> Survival and Proliferation of Human Seminoma Cells," <i>British Journal of Cancer</i> , Vol. 71, pages 13-17, 1995. |
| AC | Shamblott, Michael J. et al., "Properties of Cell Lines Derived from Human Primordial Germ Cells," <i>Molecular Biology of the Cell</i> , Vol. 8, pg. 223A, November 1997. |
| AD | Wang, S. et al., "Neural Cells Derived in Culture from Human Embryonic Germ (EG) Cells," <i>Molecular Biology of the Cell</i> , Vol. 9, pg. 437A, November 1998. |
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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.